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Nucleic Acid Sequence Amplification

Abstract

5 A method, composition and kit for synthesizing
multiple copies of a target nucleic acid sequence auto-
catalytically under conditions of substantially constant
10 temperature, ionic strength, and pH are provided in which
multiple RNA copies of the target sequence autocatalytic-
ally generate additional copies using a mixture of blocked
and unblocked primers and/or promoter-primers to initiate
DNA and RNA synthesis, preferably with reduced non-specific
15 product formation. The invention is useful for generating
copies of a nucleic acid target sequence for purposes that
include assays to quantitate specific nucleic acid
sequences in clinical, environmental, forensic and similar
samples, cloning and generating probes.